LISTING OF CLAIMS

The present listing of claims replaces all prior versions.

1(CURRENTLY AMENDED). A player for reading data from an optical disc having data disposed along a spiral, said disc including a lead-in area containing lead-in data including the characteristics of the disc, comprising:

a controller generating a first command to rotate the optical disc in a first direction when the disc is first inserted into the player;

a motor receiving said first command and rotating the disc in said first direction;

a first laser head positioned to read the data from the disc as the disc is rotated by the motor;

wherein said controller is adapted to detect ~~standard~~ said lead-in data ~~in a predetermined area of the disc~~ and if no data is detected, the controller generates a second command for reversing the rotation of said disc.

2 (CANCELLED).

3(PREVIOUSLY AMENDED) The player of claim 1 wherein said disc has two data sides, further comprising a second laser head, said first and second laser heads being positioned adjacent to respective sides of the disc.

4(ORIGINAL) The player of claim 3 wherein said laser heads read data from said sides sequentially.

5(ORIGINAL) The player of claim 4 wherein said laser heads read data from said sides simultaneously.

6(CURRENTLY AMENDED) The player of claim 1 wherein said disc has a data side with at least two data layers, wherein said laser head is adapted to read data selectively from one ~~or the other~~ of said data layers.

7(CURRENTLY AMENDED) The player of claim 1 further comprising a manual selector for the selection of the direction of said disc, said rotation detector being coupled to said manual selector [[;]] and a display;

and wherein in response to said second command, said display provides instructions to a user.

8(CURRENTLY AMENDED) A player reading data from a disc having at least one of two configurations, in one configuration the disc having data arranged along a right handed spiral, in the second configuration the disc having data arranged along a left handed spiral, said disc further including a lead-in area with machine-readable rotation specific lead-in data indicating the proper direction of rotation and other characteristics of the disc, comprising:

a reader ~~arranged and constructed to read~~ reading said rotation specific data from the disc to determine the proper direction of rotation of the disc;

a controller coupled to said reader and generating a command in response;

a motor receiving said command and rotating said disc in a corresponding direction; and

a first laser head positioned to read the lead-in data from the disc as the disc is rotated by the motor.

9 (CANCELLED).

10(CURRENTLY AMENDED) The player of claim 8 wherein said disc has a first and a second side, each side respective carrying data layers on its e sides. further comprising a second laser head, said first laser head reading data from a first side of the disc and said second laser head reading data from the second side of the disc.

11(ORIGINAL) The player of claim 8 wherein said motor rotates the disc in the same direction while data is being read from either side of the disc.

12(ORIGINAL) The player of claim 8 wherein said motor rotates the disc in one direction when reading data from one side and the other direction when reading data from the other side.

13(CURRENTLY AMENDED) The player of claim 8 wherein the disc includes at least two data layers on one side and said first laser ~~disc~~ head reads data selectively from said data layers.

14 (CANCELLED).

15(PREVIOUSLY AMENDED) The player of claim 8 wherein said reader reads reverse data from the disc.

16(PREVIOUSLY AMENDED) The player of claim 8 wherein said controller cooperates with said motor to rotate said disc in one of a first and second direction to determine the configuration of the disc.

17(CURRENTLY AMENDED) A method of playing discs, each disc having a lead-in area with lead-in data describing characteristics of the respective disc, said discs having data on both sides, comprising:

inserting a disc in a player;

rotating said disc in a predetermined direction;

attempting to read the lead-in data from said disc as the disc is rotating in said predetermined direction; and

if ~~no~~ the lead-in data ~~can~~ cannot be read from the disc, then generating a command signal.

18(PREVIOUSLY AMENDED) The method of claim 17 wherein in response to said command, instructions are presented to the user.

19(ORIGINAL) The method of claim 17 further comprising rotating the disc in a predetermined direction for either side of the disc.

20(ORIGINAL) The method of claim 17 further comprising rotating the disc in a first direction for the first side of the disc and rotating the disc in an opposite direction for the second side of the disc.

21 (CURRENTLY AMENDED). The player of claim [[7]] 17 wherein in response to said second command, said display generates instructions for a user to activate said manual selector.

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22 (PREVIOUSLY PRESENTED). The player of claim 1 further comprising a display, wherein in response to said second command, said display shows instructions for a user to remove the disc and reverse it.

23 (PREVIOUSLY PRESENTED). The player of claim 1 wherein in response to said second command the motor reverses the direction of rotation of the disc.

24 (PREVIOUSLY PRESENTED). The player of claim 8 wherein said rotation specific data is selected from the group consisting of BCA type coding and bar coding.

25 (CURRENTLY AMENDED). The player of claim [[8]] 35 wherein said ~~rotation specific~~ special data includes a signal having a predetermined signal with a predetermined shape and said controller checks said shape to determine the direction of rotation for the disc.

26-30 (CANCELLED).

31 (PREVIOUSLY PRESENTED). The method of claim 18 further comprising automatically reversing the rotation of the disc in response to said control signal.

32 (NEW). The apparatus of claim 1 wherein the disc has said lead-in area in one of two locations, and wherein said controller checks said locations for said lead-in data.

33 (NEW). The apparatus of claim 1 wherein disc has hub and a periphery and said lead-in area disposed adjacent one of said hub and said periphery.

34 (NEW). The apparatus of claim 1 wherein said controller generates said command after checking both locations.

35 (NEW). A player for reading data from an optical disc having data disposed along a spiral, said disc including a main data area and an auxiliary data area used for special data including one of a lead-in data, BCA type coding data and a bar code formed of bars and spaces, said player comprising:

a controller generating a first command to rotate the optical disc in a first direction when the disc is first inserted into the player;

a motor receiving said first command and rotating the disc in said first direction;

a first laser head positioned to read the data from the disc as the disc is rotated by the motor;

wherein, said controller is adapted to detect said special data and if no special data is detected, the controller generates a second command for reversing the rotation of said disc.